

Please add the following new claims:

11. (New) A spiral antenna, comprising:
four approximately parallel electrically conducting spiral arms; and
a common coplanar conductor to which respective inner spiral arm ends of each of
the spiral arms are connected for at least one of supplying and receiving a signal.
12. (New) The spiral antenna according to claim 11, wherein:
the coplanar conductor includes an inner conductor and at least one
reference potential surface, and
the inner conductor and the at least one reference potential surface each are
connected to two of the four inner spiral arm ends.
13. (New) The spiral antenna according to claim 11, wherein:
the coplanar conductor is arranged perpendicular to a plane of the spiral
antenna.
14. (New) The spiral antenna according to claim 11, further comprising:
different carrier materials, wherein:
the coplanar conductor is mounted on one of the different carrier materials,
and
the spiral arms are mounted on another of the different carrier materials.
15. (New) The spiral antenna according to claim 11, further comprising:
a carrier material, wherein:
the coplanar conductor and the spiral arms are applied to the carrier
material.
16. (New) The spiral antenna according to claim 11, wherein:
the coplanar conductor is formed as a taper at least in part.

17. (New) The spiral antenna according to claim 11, wherein:
the spiral arms are designed in the form of one of an Archimedean spiral and a logarithmic spiral.
18. (New) The spiral antenna according to claim 11, wherein:
the coplanar conductor is supplied with a symmetrical electric field distribution to yield an omnidirectional transmission characteristic.
19. (New) The spiral antenna according to claim 11, wherein:
the coplanar conductor is supplied with an asymmetrical electric field distribution to yield a directional transmission characteristic.
20. (New) A motor vehicle, comprising:
a body; and
a spiral antenna arranged at a location that is one of in and on the body, wherein the spiral antenna includes:
four approximately parallel electrically conducting spiral arms, and
a common coplanar conductor to which respective inner spiral arm ends of each of the spiral arms are connected for at least one of supplying and receiving a signal.

Remarks

This Preliminary Amendment cancels original claims 1-10, without prejudice, and also cancels substitute claims 1 and 10, without prejudice, in the underlying PCT Application No. PCT/DE00/01991. The Preliminary Amendment also adds new claims 11-20. The new claims conform the claims to U.S. Patent and Trademark Office rules and do not add new matter to the application.

In accordance with 37 C.F.R. § 1.121(b)(3), the Substitute Specification (including the Abstract, but without the claims) contains no new matter. The amendments reflected in the Substitute Specification (including Abstract) are to conform the Specification and Abstract to U.S. Patent and Trademark Office rules or to correct informalities. As required by 37 C.F.R. § 1.121(b)(3)(iii) and § 1.125(b)(2), a Marked Up Version Of The Substitute Specification comparing the Specification of record and the